

1/8

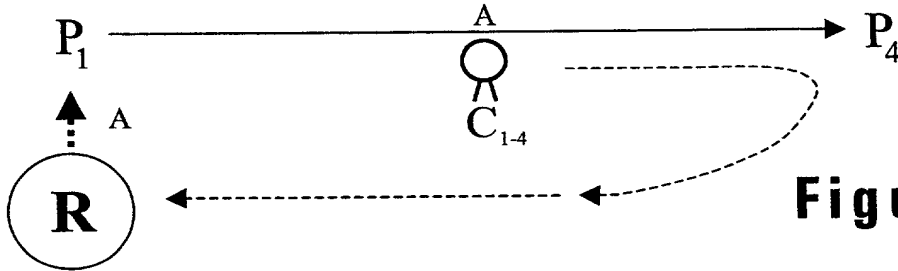


Figure 1

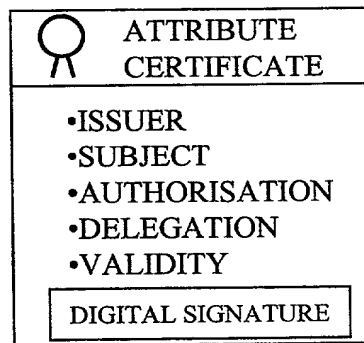
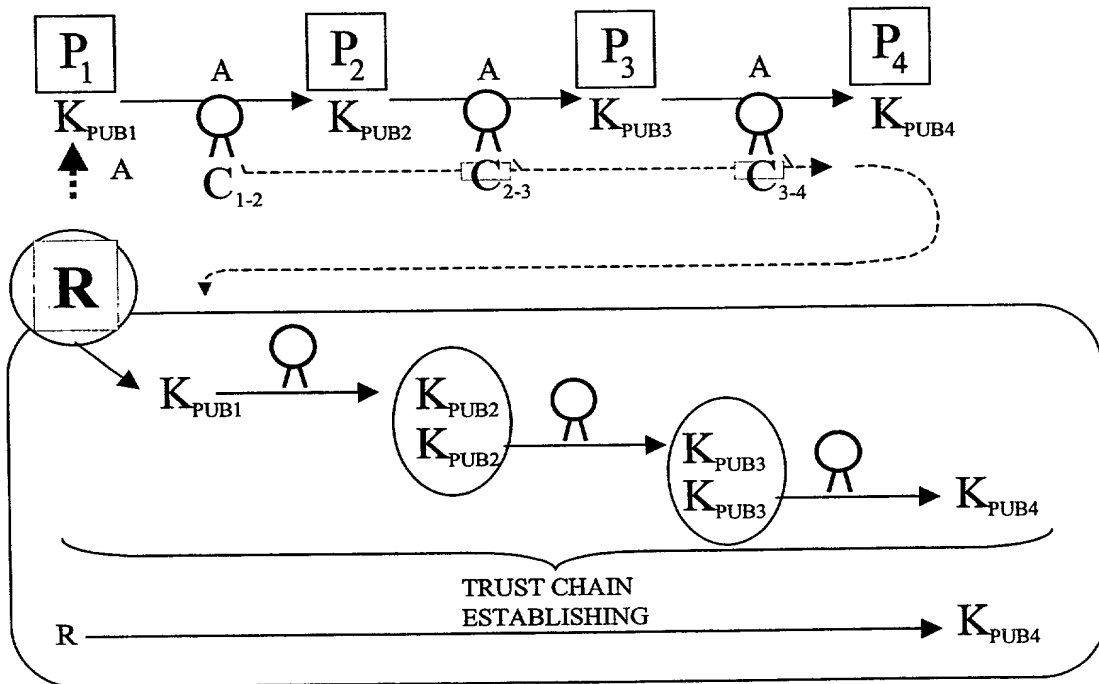


Figure 2

Figure 3



2/8

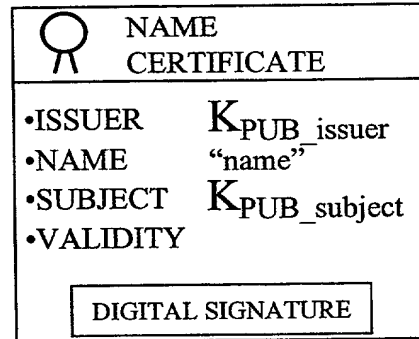


Figure 4

$$K_{PUB_issuer} \cdot \text{"name"} = K_{PUB_subject}$$

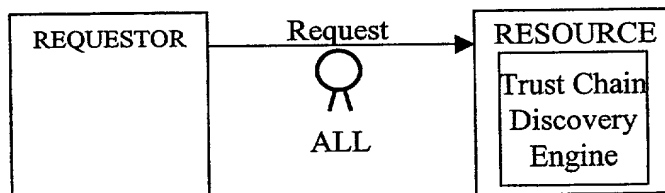


Figure 10

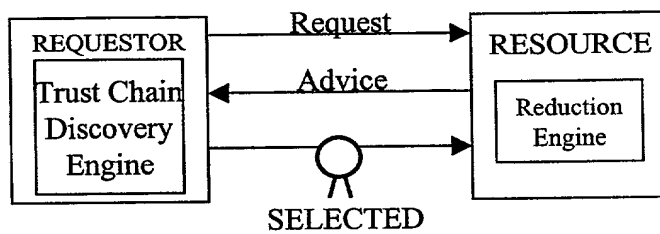


Figure 11

3/8

Figure 5

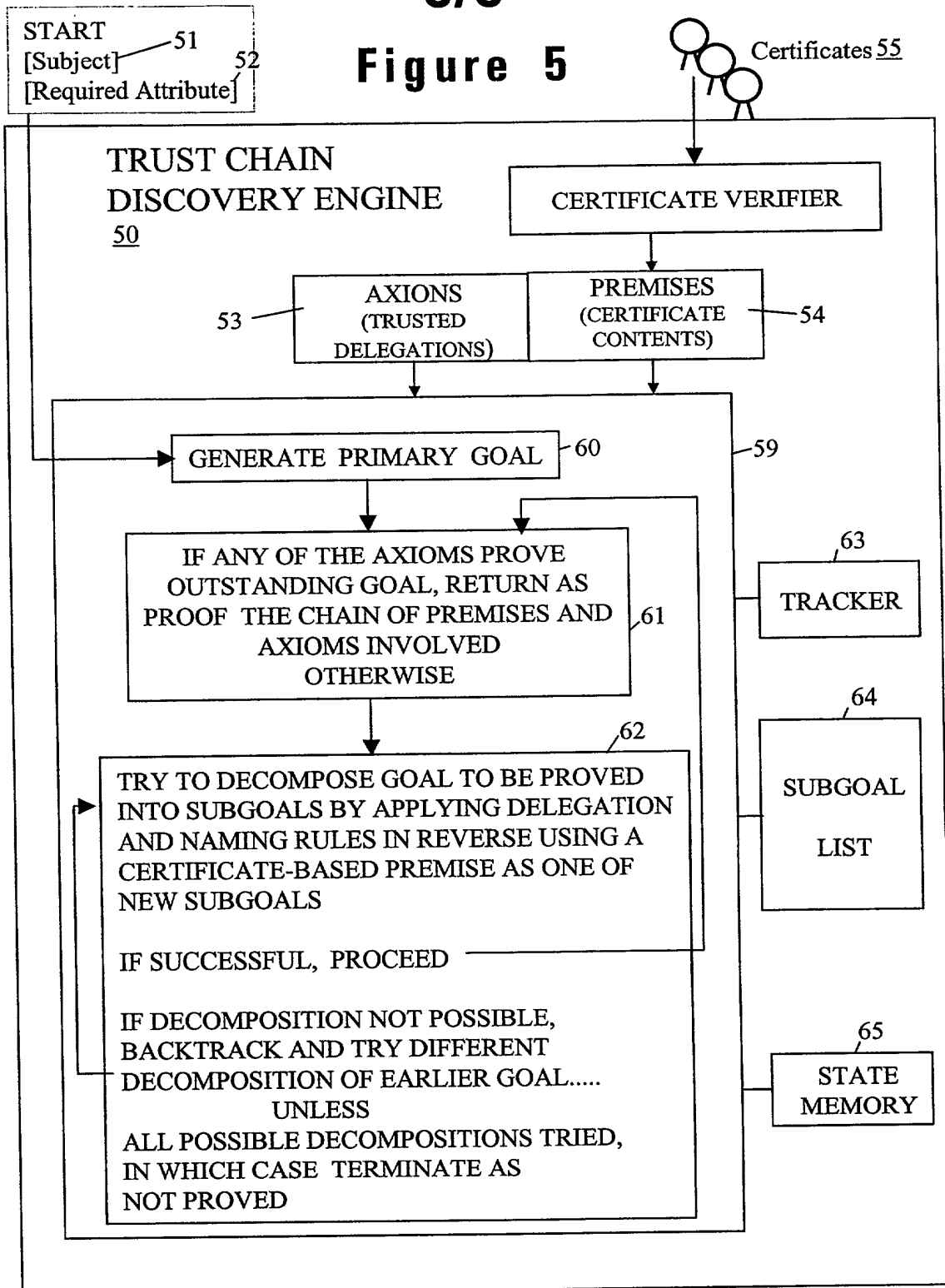
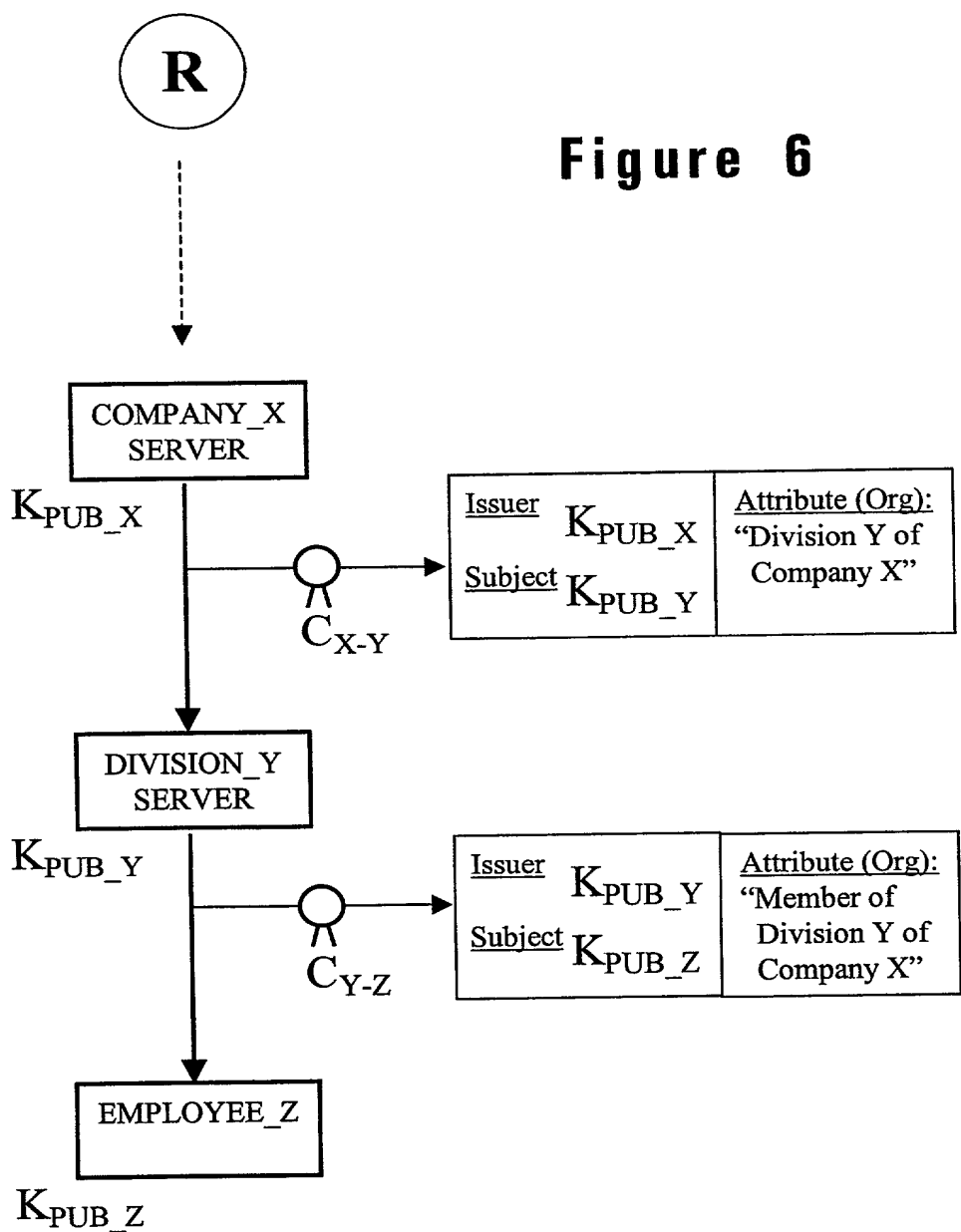


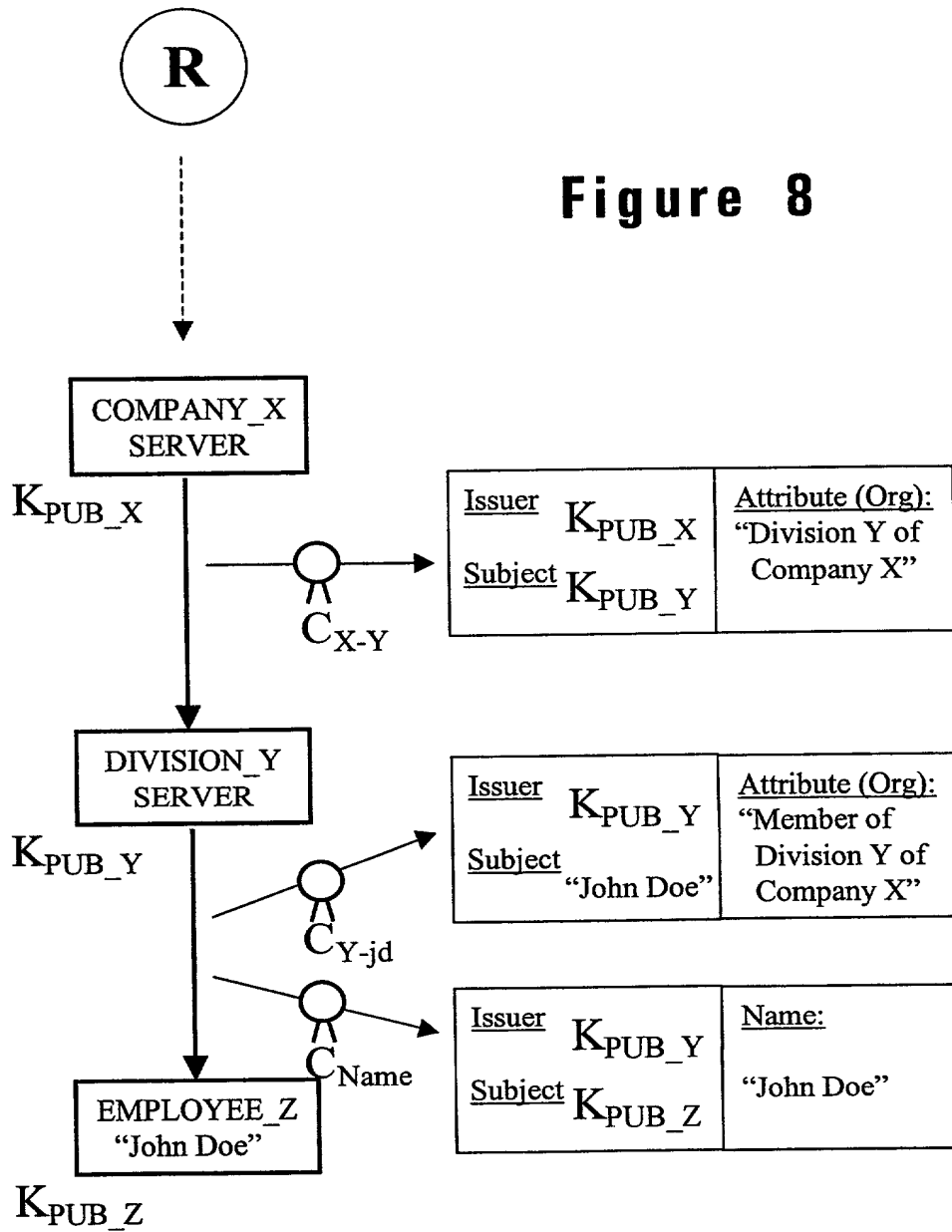
Figure 6



RESOURCE REQUIRES:	REQUESTOR IS MEMBER OF ACCREDITED ORGANISATION
PREMISES	C_{X-Y} $K_{PUB_X} \xrightarrow{\text{"Division Y of Company X"}} K_{PUB_Y}$ C_{Y-Z} $K_{PUB_Y} \xrightarrow{\text{"Member of Division Y of Company X"}} K_{PUB_Z}$
RELEVANT AXIOM	SELF $\xrightarrow{\text{Company X}} K_{PUB_X}$
PRIMARY GOAL	$\langle \text{SELF} \rightarrow K_{PUB_Z} \rangle$
FIRST DECOMPOSITION	$\langle \text{SELF} \rightarrow K_{PUB_Y} \rangle$ $\langle K_{PUB_Y} \rightarrow K_{PUB_Z} \rangle$ <div>JUSTIFIED BY C_{Y-Z}</div>
SECOND DECOMPOSITIN	$\langle \text{SELF} \rightarrow K_{PUB_X} \rangle$ $\langle K_{PUB_X} \rightarrow K_{PUB_Y} \rangle$ <div>JUSTIFIED BY AXIOM</div> <div>JUSTIFIED BY C_{X-Y}</div>

Figure 7

Figure 8



RESOURCE REQUIRES:	REQUESTOR IS MEMBER OF ACCREDITED ORGANISATION
PREMISES	$C_{X-Y} \quad K_{PUB_X} \xrightarrow{\text{"Division Y of Company X"}} K_{PUB_Y}$ $C_{Y-jd} \quad K_{PUB_Y} \xrightarrow{\text{"Member of Division Y of Company X"}} \text{"John Doe"}$ $C_{Name} \quad K_{PUB_Y} \cdot [\text{"John Doe"}] = K_{PUB_Z}$
RELEVANT AXIOM	$SELF \xrightarrow{\text{Company X}} K_{PUB_X}$
PRIMARY GOAL	$\langle SELF \rightarrow K_{PUB_Z} \rangle$
FIRST DECOMPOSITION	$\langle SELF \rightarrow \text{"John Doe"} \rangle \langle \text{"John Doe"} \rightarrow K_{PUB_Z} \rangle$ <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: auto; margin-right: auto;">JUSTIFIED BY C_{Name}</div>
SECOND DECOMPOSITION	$\langle SELF \rightarrow K_{PUB_Y} \rangle \langle K_{PUB_Y} \rightarrow \text{"John Doe"} \rangle$ <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: auto; margin-right: auto;">JUSTIFIED BY C_{Y-jd}</div>
THIRD DECOMPOSITION	$\langle SELF \rightarrow K_{PUB_X} \rangle \langle K_{PUB_X} \rightarrow K_{PUB_Y} \rangle$ <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">JUSTIFIED BY AXIOM</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">JUSTIFIED BY C_{X-Y}</div> </div>

Figure 9

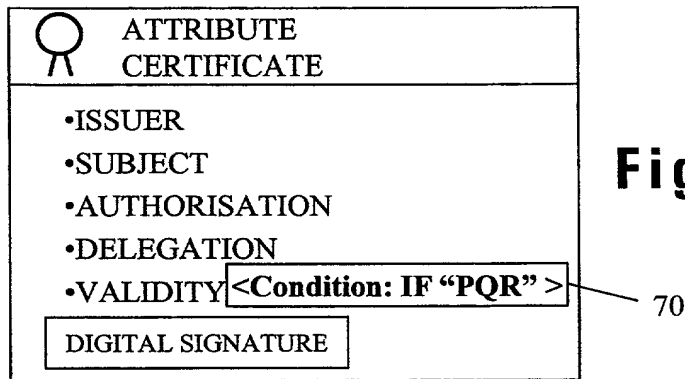


Figure 12

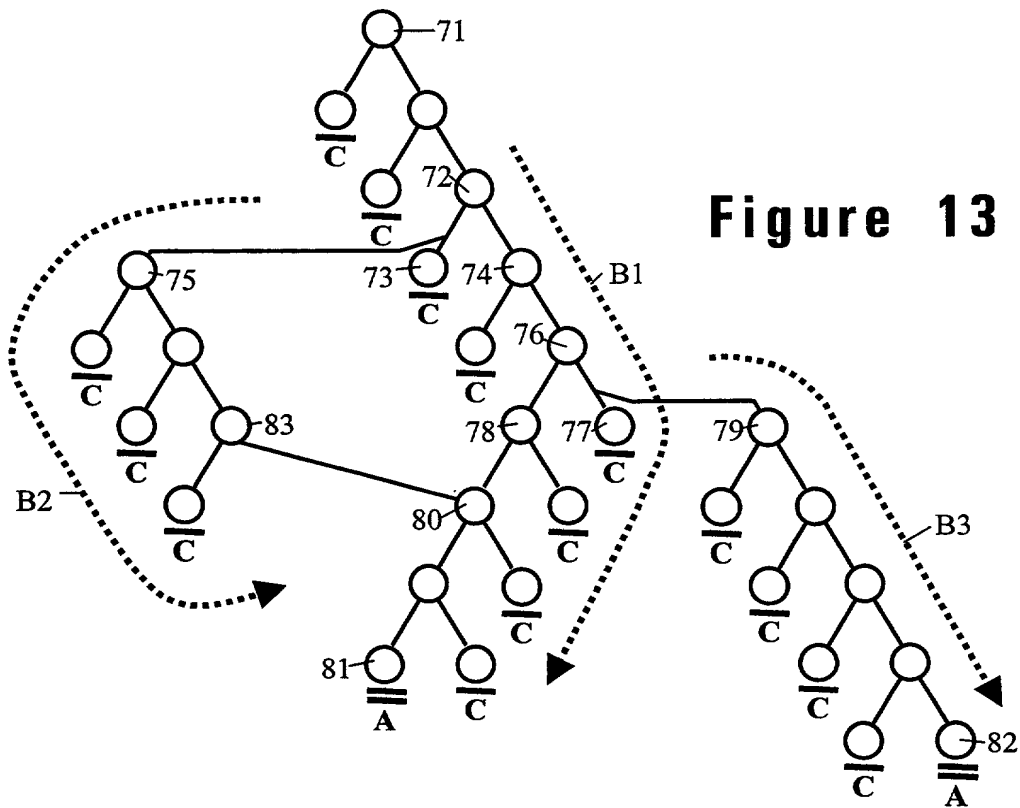


Figure 13